



BRUHAT BENGALURU MAHANAGARA PALIKE
Yelahanka Division

DETAILED MEASUREMENTS

Name of the Package:

Restoration and Improvements of Roads from
Doddaballapura Main Road to Nagarjuna College, Kaveri
Layout, Chowdappa Layout, Maruthinagara, Hariraja Layout
and Surrounding Areas in Ward No - 03 of Yelahanka New
Town Sub Division (PACKAGE NO-12)

Agency: Sri. Srinivasa Reddy H

PMC: Sapience Consultants and Engineers

A.E: Sri. Ramakrishnaiah

A.E.E.: Sri. Sachin

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Restoration and Improvements of Roads from Doddaballapura Main Road to Nagarjuna College, Kaveri Layout, Chowdappa Layout, Maruthinagara, Hariraja Layout and Surrounding Areas in Ward No - 03 of Yelahanka New Town Sub Division (PACKAGE NO -12)

Measurement Sheet

THIRD and PART

Item No.	1
Item Name:	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications MORTH Specification No.301 (I No-19.14,P No-143)

Final Measurement Date(s) :

27/06/2022; 30/06/2022

Chainage	Nos	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	Qty	REMARKS
Land Mark								
1ST CROSS ROAD								
FROM KAVERI LAYOUT 3RD MAIN ROAD TO DEAD END								
0.00	15.00	1.00	15.00	4.60	4.70	4.65	0.30	20.93
15.00	30.00	1.00	15.00	4.70	4.90	4.80	0.30	21.60
30.00	45.00	1.00	15.00	4.90	5.00	4.95	0.30	22.28
45.00	61.70	1.00	16.70	5.00	5.00	5.00	0.30	25.05
2ND CROSS ROAD								
FROM KAVERI LAYOUT 3RD MAIN ROAD TO DEAD END								
0.00	15.00	1.00	15.00	5.10	4.90	5.00	0.30	22.50
15.00	30.00	1.00	15.00	4.90	4.90	4.90	0.30	22.05
30.00	45.00	1.00	15.00	4.90	5.10	5.00	0.30	22.50
45.00	60.00	1.00	15.00	5.10	5.20	5.15	0.30	23.18
60.00	75.00	1.00	15.00	5.20	5.70	5.45	0.30	24.53
75.00	90.00	1.00	15.00	5.70	5.50	5.60	0.30	25.20
90.00	105.00	1.00	15.00	5.50	5.60	5.55	0.30	24.98
105.00	120.00	1.00	15.00	5.60	5.90	5.75	0.30	25.88
120.00	133.50	1.00	13.50	5.90	5.90	5.90	0.30	23.90
DEDUCTION	MANH	-3.00	0.64				0.30	-0.57
DEDUCTION	TREE	-8.00	0.40	0.40	0.40	0.40	0.30	-0.38



Signature

REMARKS

Chainage		Nos	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	Qty	REMARKS
Land Mark									
4TH CROSS ROAD									
FROM KAVERY LAYOUT 3RD MAIN ROAD TO DEAD END									
0.00	15.00	1.00	15.00	5.30	5.50	5.40	0.30	24.30	
15.00	30.00	1.00	15.00	5.50	5.60	5.55	0.30	24.98	
30.00	45.00	1.00	15.00	5.60	5.50	5.55	0.30	24.98	
45.00	60.00	1.00	15.00	5.50	5.50	5.50	0.30	24.75	
60.00	75.00	1.00	15.00	5.50	5.60	5.55	0.30	24.98	
75.00	90.00	1.00	15.00	5.60	5.40	5.50	0.30	24.75	
90.00	105.00	1.00	15.00	5.40	5.40	5.40	0.30	24.30	
105.00	120.00	1.00	15.00	5.40	5.30	5.35	0.30	24.08	
120.00	135.00	1.00	15.00	5.30	5.10	5.20	0.30	23.40	
135.00	150.00	1.00	15.00	5.10	5.00	5.05	0.30	22.73	
150.00	165.00	1.00	16.70	5.00	5.30	5.15	0.30	25.80	
165.00	180.00	-4.00	0.40	0.40	0.40	0.40	0.30	-0.19	
MANHOLE		-4.00	0.64				0.30	-0.76	
5TH CROSS ROAD (LAYOUT DEAD END)									
FROM KAVERY LAYOUT 3RD MAIN ROAD TO DEAD END									
0.00	15.00	1.00	15.00	5.30	5.20	5.25	0.30	23.63	
15.00	30.00	1.00	15.00	5.20	5.30	5.25	0.30	23.63	
30.00	45.00	1.00	15.00	5.30	5.20	5.25	0.30	23.63	
45.00	57.30	1.00	12.30	5.20	5.30	5.25	0.30	19.37	
Total Qty								1079.57	CUM
Qty Payable in this bill								1079.57	CUM

Contractor Representative

CONSULTANTS & ENGINEERS
Bangalore
Consultant Representative

Asst Engineer
Yelahanka New Town Sub Division
BBMP

Asst. Executive Engineer
Yelahanka New Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Restoration and Improvements of Roads from Doddaballapura Main Road to Nagarjuna College, Kaveri Layout, Chowdappa Layout, Maruthinagara, Hariraja Layout and Surrounding Areas in Ward No - 03 of Yelahanka New Town Sub Division (PACKAGE NO -12)

Measurement Sheet

THIRD and PART

Item No: 2

Item Name: KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occurring during rolling including cost of all labour, HOM complete as per specifications. (I No-19.64, P No-147)

Final Measurement Date(s): 02/07/2022

Chainage	Land Mark	Nos	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	Qty	REMARKS
1ST CROSS ROAD									
FROM KAVERI LAYOUT 3RD MAIN ROAD TO DEAD END									
0.00	15.00	1.00	15.00	4.60	4.70	4.65		69.75	
15.00	30.00	1.00	15.00	4.70	4.90	4.80		72.00	
30.00	45.00	1.00	15.00	4.90	5.00	4.95		74.25	
45.00	61.70	1.00	16.70	5.00	5.00	5.00		83.50	
2ND CROSS ROAD									
FROM KAVERI LAYOUT 3RD MAIN ROAD TO DEAD END									
0.00	15.00	1.00	15.00	5.10	4.90	5.00		75.00	
15.00	30.00	1.00	15.00	4.90	4.90	4.90		73.50	
30.00	45.00	1.00	15.00	4.90	5.10	5.00		75.00	
45.00	60.00	1.00	15.00	5.10	5.20	5.15		77.25	
60.00	74.00	1.00	14.00	5.20	5.70	5.45		81.75	
74.00	90.00	1.00	16.00	5.70	5.50	5.60		84.00	
90.00	105.00	1.00	15.00	5.50	5.60	5.55		83.25	
105.00	120.00	1.00	15.00	5.60	5.90	5.75		86.25	
120.00	133.50	1.00	13.50	5.90	5.90	5.90		79.65	
DEDUCTION		MANHOLE	-3.00		0.64			-1.91	
DEDUCTION		TREE	-8.00	0.45	0.45	0.45	0.45	-1.62	
CROSS ROAD - 1 (IN B/W 2ND & 3RD CROSS)									
FROM 2ND CROSS TO 3RD CROSS									
0.00	15.00	1.00	15.00	4.60	4.50	4.55		68.25	
15.00	24.30	1.00	9.30	4.50	4.50	4.50		41.85	

[Signature]



Chainage		Nos	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	Qty	REMARKS
Land Mark									
CROSS ROAD - 2 (IN B/W 3RD & 4TH CROSS)									
FROM 3RD CROSS TO 4TH CROSS									
	0.00	15.00	1.00	15.00	4.10	4.10	4.10	61.50	
	15.00	24.30	1.00	9.30	4.10	4.20	4.15	38.60	
2ND CROSS ROAD									
FROM KAVERY LAYOUT 3RD MAIN ROAD TO DEAD END									
	0.00	15.00	1.00	15.00	5.20	5.20	5.20	78.00	
	15.00	30.00	1.00	15.00	5.20	5.20	5.20	78.00	
	30.00	45.00	1.00	15.00	5.20	5.00	5.10	76.50	
	45.00	60.00	1.00	15.00	5.00	5.30	5.15	77.25	
	60.00	75.00	1.00	15.00	5.30	5.40	5.35	80.25	
	75.00	90.00	1.00	15.00	5.40	5.30	5.35	80.25	
	90.00	105.00	1.00	15.00	5.30	5.10	5.20	78.00	
	105.00	120.00	1.00	15.00	5.10	5.30	5.20	78.00	
	120.00	135.00	1.00	15.00	5.30	5.60	5.45	81.75	
	135.00	150.00	1.00	15.00	5.60	5.50	5.55	83.25	
	150.00	165.00	1.00	15.00	5.50	5.00	5.25	78.75	
	165.00	172.50	1.00	7.50	5.00	5.30	5.15	38.63	
MANHOLE		-4.0	0.64				-2.54		
CROSS ROAD - 3 (LAYOUT DEAD END)									
FROM MAIN ROAD TO DEAD END									
	0.00	15.00	1.00	15.00	5.30	5.20	5.25	78.75	
	15.00	26.00	1.00	11.00	5.20	4.80	5.00	55.00	
CROSS ROAD - 4 (#35)									
FROM MAIN ROAD TO DEAD END									
	0.00	15.00	1.00	15.00	5.60	5.20	5.40	81.00	
	15.00	27.00	1.00	12.00	5.20	5.00	5.10	61.20	
2ND CROSS ROAD									
FROM KAVERY LAYOUT 3RD MAIN ROAD TO DEAD END									
	0.00	15.00	1.00	15.00	5.30	5.50	5.40	81.00	
	15.00	30.00	1.00	15.00	5.50	5.60	5.55	83.25	
	30.00	45.00	1.00	15.00	5.60	5.50	5.55	83.25	
	45.00	60.00	1.00	15.00	5.50	5.50	5.50	82.50	
	60.00	75.00	1.00	15.00	5.50	5.60	5.55	83.25	
	75.00	90.00	1.00	15.00	5.60	5.40	5.50	82.50	

B. M. A. E.



Chainage		Nos	L	B	B1	Avg B	D	Qty	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
	90.00	105.00	1.00	15.00	5.40	5.40	5.40		
	105.00	120.00	1.00	15.00	5.40	5.30	5.35	81.00	
	120.00	135.00	1.00	15.00	5.30	5.10	5.20	80.25	
	135.00	150.00	1.00	15.00	5.10	5.00	5.05	78.00	
	150.00	166.70	1.00	16.70	5.00	5.30	5.15	75.75	
REDUCTION	CHAMBER		-4.00	0.30	0.30	0.30	0.30	86.01	
REDUCTION	MANHOLE		-4.00					-0.36	
5TH CROSS ROAD (LAYOUT DEAD END)				0.64				-2.54	
FROM KAVERI LAYOUT 3RD MAIN ROAD TO DEAD END									
	0.00	15.00	1.00	15.00	5.30	5.20	5.25		
	15.00	30.00	1.00	15.00	5.20	5.30	5.25	78.75	
	30.00	45.00	1.00	15.00	5.30	5.20	5.25	78.75	
	45.00	57.38	1.00	12.38	5.20	5.30	5.25	78.75	
								64.58	
Total Qty								3598.53	Sqm
Qty Payable in this bill								3598.53	Sqm

Contractor Representative

Consultant Representative



Asst Engineer 2/07/2022
Yelahanka New Town Sub Division
BBMP

Asst. Executive Engineer
Yelahanka New Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Restoration and Improvements of Roads from Doddaballapura Main Road to Nagarjuna College, Kaveri Layout, Chowdappa Layout, Maruthinagara, Hariraja Layout and Surrounding Areas in Ward No - 03 of Yelahanka New Town Sub Division (PACKAGE NO -12)

Measurement Sheet

THIRD and PART

Item No:

3

Item Name:

Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision. (I No-20.5, P No-153)

Final Measurement Date(s) :

04/07/2022; 08/07/2022

Chainage	Land Mark	Nos	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	Qty	REMARKS
1ST CROSS ROAD									
FROM KAVERI LAYOUT 3RD MAIN ROAD TO DEAD END									
0.0	15.0	1.0	15.0	4.6	4.7	4.7	0.150	10.46	
15.0	30.0	1.0	15.0	4.7	4.9	4.8	0.150	10.80	
30.0	45.0	1.0	15.0	4.9	5.0	5.0	0.150	11.14	
45.0	61.7	1.0	16.7	5.0	5.0	5.0	0.150	12.53	
2ND CROSS ROAD									
FROM KAVERI LAYOUT 3RD MAIN ROAD TO DEAD END									
0.0	15.0	1.0	15.0	5.1	4.9	5.0	0.150	11.25	
15.0	30.0	1.0	15.0	4.9	4.9	4.9	0.150	11.03	
30.0	45.0	1.0	15.0	4.9	5.1	5.0	0.150	11.25	
45.0	60.0	1.0	15.0	5.1	5.2	5.2	0.150	11.59	
60.0	75.0	1.0	15.0	5.2	5.7	5.5	0.150	12.26	
75.0	90.0	1.0	15.0	5.7	5.5	5.6	0.150	12.60	
90.0	105.0	1.0	15.0	5.5	5.6	5.6	0.150	12.49	
105.0	120.0	1.0	15.0	5.6	5.9	5.8	0.150	12.94	
120.0	133.5	1.0	13.5	5.9	5.9	5.9	0.150	11.95	
DEDUCTION	MANH	-3.0		0.64			0.150	-0.29	
DEDUCTION	TREE	-8.0	0.45	0.45	0.45	0.45	0.150	-0.24	

B. Ramanaiah
AE



Chainage	Nos		L	B	B1	Avg B	D	Qty	REMARKS	
Land Mark			(m)	(m)	(m)	(m)	(m)			
CROSS ROAD - 1 (IN B/W 2ND & 3RD CROSS)										
FROM 2ND CROSS TO 3RD CROSS										
0.0	15.0	1.0	15.0	4.6	4.5	4.6	0.150	10.24		
15.0	24.3	1.0	9.3	4.5	4.5	4.5	0.150	6.28		
CROSS ROAD - 2 (IN B/W 3RD & 4TH CROSS)										
FROM 3RD CROSS TO 4TH CROSS										
0.0	15.0	1.0	15.0	4.1	4.1	4.1	0.150	9.23		
15.0	24.3	1.0	9.3	4.1	4.2	4.2	0.150	5.79		
2nd CROSS ROAD										
FROM KAVERI LAYOUT 3RD MAIN ROAD TO DEAD END										
0.00	15.00	1.00	15.00	5.20	5.20	5.20	0.150	11.70		
15.00	30.00	1.00	15.00	5.20	5.20	5.20	0.150	11.70		
30.00	45.00	1.00	15.00	5.20	5.00	5.10	0.150	11.48		
45.00	60.00	1.00	15.00	5.00	5.30	5.15	0.150	11.59		
60.00	75.00	1.00	15.00	5.30	5.40	5.35	0.150	12.04		
75.00	90.00	1.00	15.00	5.40	5.30	5.35	0.150	12.04		
90.00	105.00	1.00	15.00	5.30	5.10	5.20	0.150	11.70		
105.00	120.00	1.00	15.00	5.10	5.30	5.20	0.150	11.70		
120.00	135.00	1.00	15.00	5.30	5.60	5.45	0.150	12.26		
135.00	150.00	1.00	15.00	5.60	5.50	5.55	0.150	12.49		
150.00	165.00	1.00	15.00	5.50	5.00	5.25	0.150	11.81		
165.00	172.50	1.00	7.50	5.00	5.30	5.15	0.150	5.79		
DEDUCTION		-4.00	0.64					0.150	-0.38	
CROSS ROAD - 3 (LAYOUT DEAD END)										
FROM MAIN ROAD TO DEAD END										
0.00	15.00	1.00	15.00	5.30	5.20	5.25	0.150	11.81		
15.00	26.00	1.00	11.00	5.20	4.80	5.00	0.150	8.25		
CROSS ROAD - 4 (#35)										
FROM MAIN ROAD TO DEAD END										
0.00	15.00	1.00	15.00	5.60	5.20	5.40	0.150	12.15		
15.00	27.00	1.00	12.00	5.20	5.00	5.10	0.150	9.18		

Signature



Signature
Contractor Representative

Signature
Asst E
Yelahanka New
BL

REMARKS

Chainage		Nos	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	Qty	REMARKS
Land Mark									
3RD CROSS ROAD									
FROM KAVERY LAYOUT 3RD MAIN ROAD TO DEAD END									
0.00	15.00	1.00	15.00	5.30	5.50	5.40	0.150	12.15	
15.00	30.00	1.00	15.00	5.50	5.60	5.55	0.150	12.49	
30.00	45.00	1.00	15.00	5.60	5.50	5.55	0.150	12.49	
45.00	60.00	1.00	15.00	5.50	5.50	5.50	0.150	12.38	
60.00	75.00	1.00	15.00	5.50	5.60	5.55	0.150	12.49	
75.00	90.00	1.00	15.00	5.60	5.40	5.50	0.150	12.38	
90.00	105.00	1.00	15.00	5.40	5.40	5.40	0.150	12.15	
105.00	120.00	1.00	15.00	5.40	5.30	5.35	0.150	12.04	
120.00	135.00	1.00	15.00	5.30	5.10	5.20	0.150	11.70	
135.00	150.00	1.00	15.00	5.10	5.00	5.05	0.150	11.36	
150.00	166.70	1.00	16.70	5.00	5.30	5.15	0.150	12.90	
CHAMBER		-4.00	0.30	0.30	0.30	0.30	0.150	-0.05	
MANHOLE		-4.00	0.64				0.150	-0.38	
5TH CROSS ROAD (LAYOUT DEAD END)									
FROM KAVERY LAYOUT 3RD MAIN ROAD TO DEAD END									
0.00	15.00	1.00	15.00	5.30	5.20	5.25	0.150	11.81	
15.00	30.00	1.00	15.00	5.20	5.30	5.25	0.150	11.81	
30.00	45.00	1.00	15.00	5.30	5.20	5.25	0.150	11.81	
45.00	57.30	1.00	12.30	5.20	5.30	5.25	0.150	9.69	
Total Qty								539.78	CUM
Qty Payable in this bill								539.78	CUM

Contractor Representative

Consultant Representative

Asst Engineer
Yelahanka New Town Sub Division
BBMP

Asst. Executive Engineer
Yelahanka New Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE
NAME OF WORK:- Restoration and Improvements of Roads from Doddaballapura Main Road to Nagarjuna College, Kaveri Layout, Chowdappa Layout, Maruthinagara, Hariraja Layout and Surrounding Areas in Ward No - 03 of Yelahanka New Town Sub Division (PACKAGE NO -12)

Measurement Sheet

THIRD and PART

Item No:

4

Item Name:

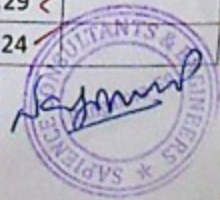
KSRRB M600-1. Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and 0.86cum and fine aggregate @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016, aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600 1, optimum moisture content to be determined during trial length construction, concrete strength not to be determined during trial length construction, concrete strength not to be less than 10Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Clause 601 of MORTH V Revision and IS 456 Table-5 , with OPC at 150 kg/cum and coarse aggregate 0.86 cum, fine aggregate 0.58 cum using concrete Batch mix Plant at 75 cum/hr capacity with fixed form paver 22.1.2, Pg No.-174 ..

Final Measurement Date(s) :

11/07/2022; 12/07/2022

Chainage	Nos	L	B	B1	Avg B	D	Qty	REMARKS
Land Mark		(m)	(m)	(m)	(m)	(m)		
1ST CROSS ROAD								
FROM KAVERI LAYOUT 3RD MAIN ROAD TO DEAD END								
0.0	15.0	1.0	15.0	4.6	4.7	4.7	0.150	10.46
15.0	30.0	1.0	15.0	4.7	4.9	4.8	0.150	10.80
30.0	45.0	1.0	15.0	4.9	5.0	5.0	0.150	11.14
45.0	61.7	1.0	16.7	5.0	5.0	5.0	0.150	12.53
2ND CROSS ROAD								
FROM KAVERI LAYOUT 3RD MAIN ROAD TO DEAD END								
0.0	15.0	1.0	15.0	5.1	4.9	5.0	0.150	11.25
15.0	30.0	1.0	15.0	4.9	4.9	4.9	0.150	11.03
30.0	45.0	1.0	15.0	4.9	5.1	5.0	0.150	11.25
45.0	60.0	1.0	15.0	5.1	5.2	5.2	0.150	11.59
60.0	75.0	1.0	15.0	5.2	5.7	5.5	0.150	12.26
75.0	90.0	1.0	15.0	5.7	5.5	5.6	0.150	12.60
90.0	105.0	1.0	15.0	5.5	5.6	5.6	0.150	12.49
105.0	120.0	1.0	15.0	5.6	5.9	5.8	0.150	12.94
120.0	133.5	1.0	13.5	5.9	5.9	5.9	0.150	11.95
DEDUCTION	MANHOLE	-3.0		0.64		0.150	-0.29	
DEDUCTION	TREE	-8.0	0.45	0.45	0.45	0.150	-0.24	

Bannu AE



Chainage Land Mark	Nos	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	Qty	REMARKS
CROSS ROAD - 1 (IN B/W 2ND & 3RD CROSS)								
FROM 2ND CROSS TO 3RD CROSS								
0.0	15.0	1.0	15.0	4.6	4.5	4.6	0.150	10.24
15.0	24.3	1.0	9.3	4.5	4.5	4.5	0.150	6.28
CROSS ROAD - 2 (IN B/W 3RD & 4TH CROSS)								
FROM 3RD CROSS TO 4TH CROSS								
0.0	15.0	1.0	15.0	4.1	4.1	4.1	0.150	9.23
15.0	24.3	1.0	9.3	4.1	4.2	4.2	0.150	5.79
3RD CROSS ROAD								
FROM KAVERI LAYOUT 3RD MAIN ROAD TO DEAD END								
0.00	15.00	1.00	15.00	5.20	5.20	5.20	0.150	11.70
15.00	30.00	1.00	15.00	5.20	5.20	5.20	0.150	11.70
30.00	45.00	1.00	15.00	5.20	5.00	5.10	0.150	11.48
45.00	60.00	1.00	15.00	5.00	5.30	5.15	0.150	11.59
60.00	75.00	1.00	15.00	5.30	5.40	5.35	0.150	12.04
75.00	90.00	1.00	15.00	5.40	5.30	5.35	0.150	12.04
90.00	105.00	1.00	15.00	5.30	5.10	5.20	0.150	11.70
105.00	120.00	1.00	15.00	5.10	5.30	5.20	0.150	11.70
120.00	135.00	1.00	15.00	5.30	5.60	5.45	0.150	12.26
135.00	150.00	1.00	15.00	5.60	5.50	5.55	0.150	12.49
150.00	165.00	1.00	15.00	5.50	5.00	5.25	0.150	11.81
165.00	172.50	1.00	7.50	5.00	5.30	5.15	0.150	5.79
MANHOLE		-4.00					0.150	-0.38
CROSS ROAD - 3 (LAYOUT DEAD END)								
FROM MAIN ROAD TO DEAD END								
0.00	15.00	1	15.00	5.30	5.20	5.25	0.150	11.81
15.00	26.00	1	11.00	5.20	4.80	5.00	0.150	8.25
CROSS ROAD - 4 (#35)								
FROM MAIN ROAD TO DEAD END								
0.00	15.00	1	15.00	5.60	5.20	5.40	0.150	12.15
15.00	27.00	1	12.00	5.20	5.00	5.10	0.150	9.18
4TH CROSS ROAD								
FROM KAVERI LAYOUT 3RD MAIN ROAD TO DEAD END								
0.00	15.00	1.00	15.00	5.30	5.50	5.40	0.150	12.15
15.00	30.00	1.00	15.00	5.50	5.60	5.55	0.150	12.49
30.00	45.00	1.00	15.00	5.60	5.50	5.55	0.150	12.49
45.00	60.00	1.00	15.00	5.50	5.50	5.50	0.150	12.38

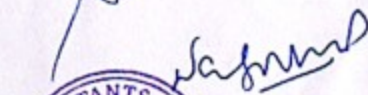
AE



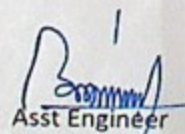
270 cm

Chainage		Nos	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	Qty	REMARKS
Land Mark									
60.00	75.00	1.00	15.00	5.50	5.60	5.55	0.150	12.49	
75.00	90.00	1.00	15.00	5.60	5.40	5.50	0.150	12.38	
90.00	105.00	1.00	15.00	5.40	5.40	5.40	0.150	12.15	
105.00	120.00	1.00	15.00	5.40	5.30	5.35	0.150	12.04	
120.00	135.00	1.00	15.00	5.30	5.10	5.20	0.150	11.70	
135.00	150.00	1.00	15.00	5.10	5.00	5.05	0.150	11.36	
150.00	166.70	1.00	16.70	5.00	5.30	5.15	0.150	12.90	
DEDUCTION CHAMBER		-4.00	0.30	0.30	0.30	0.30	0.150	-0.05	
DEDUCTION MANHOLE		-4.00	0.64				0.150	-0.38	
5TH CROSS ROAD (LAYOUT DEAD END)									
FROM KAVERY LAYOUT 3RD MAIN ROAD TO DEAD END									
0.00	15.00	1.00	15.00	5.30	5.20	5.25	0.150	11.81	
15.00	30.00	1.00	15.00	5.20	5.30	5.25	0.150	11.81	
30.00	45.00	1.00	15.00	5.30	5.20	5.25	0.150	11.81	
45.00	57.30	1.00	12.30	5.20	5.30	5.25	0.150	9.69	
Total Qty								494.66	Correction Bommalu AE
Qty Payable in this bill								539.78	CUM


Contractor Representative


Consultant Representative




Asst Engineer 12/07/2022
Yelahanka New Town Sub Division
BBMP

Asst. Executive Engineer
Yelahanka New Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Restoration and Improvements of Roads from Doddaballapura Nagarajuna College, Kaveri Layout, Chowdappa Layout, Maruthinagara, Hariraja Layout and Surrounding Areas in Ward No - 03 of Yelahanka New Town Sub Division (PACKAGE NO -12)

Measurement Sheet

THIRD and PART

Item No:

5

Item Name:

Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum, coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (sreel channel, laying and fixing of 125 micron thick polythene fim, wedges, steel plates including levelling the form work as per drawing). & Speration the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a construction and longitudinal joints, including groove cutting charges, joint filler, separation membrane of impermeable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curring compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour, hire charges of machineries, all lead & lift charges etc., complete as per specifications with OPC AT 360 kg/cum and coarse aggregate 0.69, fine aggregate 0.46 cum. Item No.-22.6.3, Page No.-176

Final Measurement Date(s) :

13/07/2022; 14/07/2022

Chainage	Nos	L	B	B1	Avg B	D	Qty	REMARKS
Land Mark		(m)	(m)	(m)	(m)	(m)		
1ST CROSS ROAD								
FROM KAVERI LAYOUT 3RD MAIN ROAD TO DEAD END								
0.0	15.0	1.0	15.0	4.6	4.7	4.7	0.150	10.46
15.0	30.0	1.0	15.0	4.7	4.9	4.8	0.150	10.80
30.0	45.0	1.0	15.0	4.9	5.0	5.0	0.150	11.14
45.0	61.7	1.0	16.7	5.0	5.0	5.0	0.150	12.53
2ND CROSS ROAD								
FROM KAVERI LAYOUT 3RD MAIN ROAD TO DEAD END								
0.0	15.0	1.0	15.0	5.1	4.9	5.0	0.150	11.25
15.0	30.0	1.0	15.0	4.9	4.9	4.9	0.150	11.03
30.0	45.0	1.0	15.0	4.9	5.1	5.0	0.150	11.25
45.0	60.0	1.0	15.0	5.1	5.2	5.2	0.150	11.59
60.0	75.0	1.0	15.0	5.2	5.7	5.5	0.150	12.26
75.0	90.0	1.0	15.0	5.7	5.5	5.6	0.150	12.60



Chainage			Nos	L	B	B1	Avg B	D	Qty	REMARKS
Land Mark				(m)	(m)	(m)	(m)	(m)		
90.0	105.0	1.0	15.0	5.5	5.6	5.6	0.150	12.49		
105.0	120.0	1.0	15.0	5.6	5.9	5.8	0.150	12.94		
120.0	133.5	1.0	13.5	5.9	5.9	5.9	0.150	11.95		
DEDUCTION MANHOLE			-3.0	0.64			0.150	-0.29		
DEDUCTION TREE			-8.0	0.45	0.45	0.45	0.45	0.150	-0.24	
CROSS ROAD - 1 (IN B/W 2ND & 3RD CROSS)										
FROM 2ND CROSS TO 3RD CROSS										
0.0	15.0	1.0	15.0	4.6	4.5	4.6	0.150	10.24		
15.0	24.3	1.0	9.3	4.5	4.5	4.5	0.150	6.28		
CROSS ROAD - 2 (IN B/W 3RD & 4TH CROSS)										
FROM 3RD CROSS TO 4TH CROSS										
0.0	15.0	1.0	15.0	4.1	4.1	4.1	0.150	9.23		
15.0	24.3	1.0	9.3	4.1	4.2	4.2	0.150	5.79		
2ND CROSS ROAD										
FROM KAVERI LAYOUT 3RD MAIN ROAD TO DEAD END										
0.00	15.00	1.00	15.00	5.20	5.20	5.20	0.150	11.70		
15.00	30.00	1.00	15.00	5.20	5.20	5.20	0.150	11.70		
30.00	45.00	1.00	15.00	5.20	5.00	5.10	0.150	11.48		
45.00	60.00	1.00	15.00	5.00	5.30	5.15	0.150	11.59		
60.00	75.00	1.00	15.00	5.30	5.40	5.35	0.150	12.04		
75.00	90.00	1.00	15.00	5.40	5.30	5.35	0.150	12.04		
90.00	105.00	1.00	15.00	5.30	5.10	5.20	0.150	11.70		
105.00	120.00	1.00	15.00	5.10	5.30	5.20	0.150	11.70		
120.00	135.00	1.00	15.00	5.30	5.60	5.45	0.150	12.26		
135.00	150.00	1.00	15.00	5.60	5.50	5.55	0.150	12.49		
150.00	165.00	1.00	15.00	5.50	5.00	5.25	0.150	11.81		
165.00	172.50	1.00	7.50	5.00	5.30	5.15	0.150	5.79		
DEDUCTION MANHOLE			-4.00	0.64			0.150	-0.38		
CROSS ROAD - 3 (LAYOUT DEAD END)										
FROM MAIN ROAD TO DEAD END										
0.00	15.00	1	15.00	5.30	5.20	5.25	0.150	11.81		
15.00	26.00	1	11.00	5.20	4.80	5.00	0.150	8.25		
CROSS ROAD - 4 (#35)										
FROM MAIN ROAD TO DEAD END										
0.00	15.00	1	15.00	5.60	5.20	5.40	0.150	12.15		
15.00	27.00	1	12.00	5.20	5.00	5.10	0.150			



MARKS

Nos		L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	Qty	REMARKS
HOLE EVERY LAYOUT 3RD MAIN ROAD TO DEAD END								
15.00	1.00	15.00	5.30	5.50	5.40	0.150	12.15	
30.00	1.00	15.00	5.50	5.60	5.55	0.150	12.49	
45.00	1.00	15.00	5.60	5.50	5.55	0.150	12.49	
60.00	1.00	15.00	5.50	5.50	5.50	0.150	12.38	
75.00	1.00	15.00	5.50	5.60	5.55	0.150	12.49	
90.00	1.00	15.00	5.60	5.40	5.50	0.150	12.38	
105.00	1.00	15.00	5.40	5.40	5.40	0.150	12.15	
120.00	1.00	15.00	5.40	5.30	5.35	0.150	12.04	
135.00	1.00	15.00	5.30	5.10	5.20	0.150	11.70	
150.00	1.00	15.00	5.10	5.00	5.05	0.150	11.36	
165.00	1.00	16.70	5.00	5.30	5.15	0.150	12.90	
CHAMBER	-4.00	0.30	0.30	0.30	0.30	0.150	-0.05	
MANHOLE	-4.00	0.64				0.150	-0.38	
SUTROSA ROAD (LAYOUT DEAD END)								
HOLE EVERY LAYOUT 3RD MAIN ROAD TO DEAD END								
0.00	15.00	1.00	15.00	5.30	5.20	5.25	0.150	11.81
15.00	30.00	1.00	15.00	5.20	5.30	5.25	0.150	11.81
30.00	45.00	1.00	15.00	5.30	5.20	5.25	0.150	11.81
45.00	57.30	1.00	12.30	5.20	5.30	5.25	0.150	9.69
Total Qty							494.66	correction Attested
Qty Payable in this bill							539.78	CUM

Contractor Representative

Consultant Representative

Asst Engineer 14/07/2022
Yelahanka New Town Sub Division
BBMP

Asst. Executive Engineer
Yelahanka New Town Sub Division
BBMP